الفرقة الثالثة – الجهاز العصبي

الأسبوع الأول

	Sunday 21/9	Monday 22/9	Tuesday 23/9	Wednesday 24/9			Thursday25/9	
8.30 - 9.20				**Histology L** Nerve ending synapse and sensory receptors classification (proprioceptors) **L4**			**Phys P G1,2** Exam. of Mechanic al sensation **P10.11**	**Hist. P G5,6** Neuron LM& EM, neuroglial cell, EM of synapse, dorsal ganglion & sympathy. Ganglion **P7.9**
9.30- 10.20				**Anatomy L** spinal nerves covering meninges, Blood sup & develop. of spinal cord **L4**				
10.30- 11.20			**Bio T** Neurotransmitters **L3**	**Anat. P G1,2** cervical vertebrae + spinal cord **P5.15**	**Phys P G5,6** Exam. of Mechanical sensation. **P.10.11**	**Hist. P G3,4** Neuron LM& EM, neuroglial cell, EM of synapse, dorsal ganglion & sympathy. Ganglion **P9.12**	**Phys P G3,4** Examination of Mechanical sensation **P10.11**	**Hist P G1,2** Neuron LM& EM, neuroglial cell, EM of synapse, dorsal ganglion & sympathetic ganglion **P7.9**
11.30- 12.20								
Break								
12.40- 1.30	**Module coordinator** Overview of the module **L1**		**Physiology L** Physiology of Synapses **L4**	**Physiology L** Synaptic potential & properties **L4**			**Histology L** Hist. structure of Spinal cord levels-I **L3**	
1.40 - 2.30	**Histology L** General structure of nervous tissue **L1**	**Bio L** Brain lipids and myelin synthesis **L1**	**Anatomy L** Anatomy of spinal cord **L4**	**Physiology L** Sensory unit & Sensory receptors: function, properties **L4**			**Holy Quran (online)**	
2.40- 3.30	**Histology L** Neuroglia cells **L1**	**Quality of Health care L1**	**Histology L** types of nerve fiber and myelination **L4**	**Physiology L** Processing of signal in nervous system **L4**			**Elective (online)**	

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الأسبوع الثاني

	Sunday 28/9	Monday 29/9	Tuesday 30/9			Wednesday1/10			Thursday 2/10		
8.30 - 9.20	**Physiology L** Somatic sensory pathways **L2**	**Pharma L** Narcotic analgesics **L2**	**P G5,6** Exam. of Thermal & pain sensations **P10.11**	**Hist P G3,4** Hist. structure of Spinal cord levels **P12.15**	**Anat. P G1,2** Skull-I (Norma frontalis, occipitalis, verticals, lateralis) **P1.2**	**Phys P G3,4** Exam. of Thermal & pain sensations **P10.11**	**Hist P G1,2** Hist. structure of Spinal cord levels **P14.15**	**Anat. P G5,6** Skull-I (Norma frontalis, occipitalis, verticals, lateralis) **P1.2**	**Anatomy L** Brain stem1 (external features) **L2**		
9.30- 10.20	**Physiology L** Physiology of pain sensation **L 2**	**Neurosurgery** CBL Spinal trauma **L2**							**Physiology L** Muscle tone and its regulation **L2**		
10.30- 11.20	**Anat. P G3,4** cervical vertebrae + spinal cord **P 7.9**	**Radiology L** Radiological imaging of the spine **L1**	**Phys P G1,2** Exam. of Thermal & pain sensations **P10.11**	**Hist P G5,6** Hist. structure of Spinal cord levels **P12.15**	**Anat. P G3,4** Skull-I (Norma frontalis, occipitalis, verticals, lateralis) **P1.2**	**Pharm P G1,2** Drug interactions, prescriptions for analgesics **P14.15**	**Anat. P G3,4** Skull-II (Norma basalis externa, pterygopalatine fossa) + mandible + **face & scalp** **P1.2**	**Phys P G5,6** Superficial reflexes, Babinski sign **P 10.11**	**Anat. P G1,2,** Skull 11 (Norma basalis externa, pterygopalatine fossa) + mandible + face **P1.2**	**Phys P G3,4** Superficial reflexes, Babinski sign **P10.11**	**Pharm P G5,6** Drug interaction s, prescriptions for analgesics **P12.15**
11.30- 12.20		**Physiology L** Modulation of the Perception of Pain **L1**									
Break											
12.40- 1.30	**Anat. P G5,6** cervical vertebrae + spinal cord **P 8.9**	**Micro L** Myelitis (Polio) **L4**	**Anatomy L** Scalp **L4**			**Pharma L** Other opioid analgesics **L3**			**Histology L** **Histological structure of Medulla 3 levels** **L3**		
1.40 - 2.30		**Neuro TBL** Sensory disturbances due to spinal cord lesions and peripheral nerve lesions **L4**	**Anatomy L** Anatomy & development of the face **L4**			**Clinical Neurology CBL** Headache **L3**			**Clinical Neurology** **CBL Deviated mouth** **L3**		
2.40 – 3.30	**Histology L** structure of Spinal cord levels **II L3**		**Physiology L** Referred pain **L4** **Elective (online)**			**Physiology L** reflex action & Stretch Reflex **L3**			**Quality of Health care** **L3** **Holy Quran** **(online)**		

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الأسبوع الثالث

	Sunday 5/10			Monday 6/10			Tuesday 7/10			Wednesday 8/10			Thursday 9/10
8.30 - 9.20	**Anatomy L** Brain stem-I **L2**			**Anat. P G1,2** Skull III (Norma basalis interna **P 7.9**	**Hist P G3,4** Hist. structure of Brain stem **P13.15**	**Phys P G5,6** Exam. of reflexes (Tendon Jerk) **P 10.11**	**Anatomy L** Anterior triangle of the neck-I **L2**			**Anat. P G1,2** Brain stem + Cranial nerves 7,8 9,10,11,12 **P13.15**	**Hist. P G3, 4** Hist. structure of Cerebrum cerebellum &receptors (capsulated and non-capsulated) **P7.9**	**Phys P** G5,6 Exam. of the Cerebellum **P 10.11**	ذكرى نصر السادس من أكتوبر
9.30- 10.20	**Histology L** Histological structure of Pons 3 levels **L2**						**Anatomy L** Anterior triangle of the neck-II **L2**						
10.30- 11.20	**Phys P G1,2** Superficial reflexes, Babinski sign **P 10. 11**	**Pharm P G3,4** Drug interactions, prescriptions for analgesic **P14.15**	**Anat. P G5,6** Skull 11 (Norma basalis externa, pterygopalatine fossa) + mandible + face & scalp **P7.9**	**Pharma T** Treatment of migraine **L3**			**Histology L** Histological structure of Cerebrum cerebellum **L1**			**Hist. P G1,2** structure of Cerebrum cerebellum & receptors (capsulated and non-capsulated **P7.9**	**Phys P** G3,4 Exam. of the Cerebellum **P10.11**	**Anat. P G5,6** Brain stem + Cranial nerves 7,8 9,10,11,1 2 **P13.15**	
11.30- 12.20							**Physiology L** Function of the Cerebellum **L1**						
Break													
12.40- 1.30	**Anatomy L** Brain stem-III **L3**			**Phys P G1,2** Exam.of reflexes (Tendon Jerk) P **13.15**	**Anat. P G3,4** Skull III (Norma basalis interna **P8.9**	**Hist P G5,6** Hist. structure of Brain stem **P5.7**	**Hist P G1,2** Histological structure of Brain stem **P5.7**	**Phys PG3,4** Examination of reflexes (Tendon Jerk) **P10.11**	**Anat. P G5,6** Skull III (Norma basalis interna **P1.2**	**Anatomy L** Anatomy of cerebrum I **L4**			
1.40 - 2.30	**Histology L** Histological structure of Mid brain 3 levels **L3**									**Anatomy L** Anatomy of cerebrum II **L4**			
2.40 – 3.30	**Anatomy L** Brain stem-IV L3			**Quality of Health care** L1			**Anatomy L** Posterior triangle of the neck **L2**			**Holy Quran (online)** **Elective (online)**			

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الفرقة الثالثة – الجهاز العصبي

الأسبوع الرابع

	Sunday 12/10			Monday13/10	Tuesday 14/10	Wednesday 15/10	Thursday 16/10
8.30 - 9.20	**Physiology L** Cerebral circulation and intracranial pressure, CSF formation, function and regulation **I L4**			**Micro L** Viral encephalitis 1 **L2**	**Physiology L** Speech (definition, types, mechanisms) **L2**	**Physiology L** Functions of basal ganglia **L2**	**Physiology L** Upper and lower neuron lesions **L3**
9.30- 10.20	**Physiology L** Cerebral circulation and intracranial pressure, CSF formation, function and regulation-**II L4**			**Micro L** Viral encephalitis-II **L2**	**Clinical Neurology CBL** Difficulty in speech **L2**	**Pharma L** Medical treatment for parkinsonism **L2**	**Histology L** Histological structure of Meninges & choroid plexus **L3**
10.30- 11.20	**Phys P** G1,2 Exam. of the Cerebellum **P 10.11**	**Anat. P** G3,4 Brain stem + Cranial nerves 7,8 9,10,11,12 **P5.7**	**Hist P** G5,6 structure of Cerebrm cerebellm &receptors (capsulated and non-capsulated) **P 12.15**	**Anatomy L** Blood supply of the brain (arterial) **L1**	**Anatomy L** Internal structure of cerebral hemisphere **L1**	**Physiology L** Motor neuron pathways (Pyramidal and extrapyramidal tract) **L1**	**Clinical Neurology CBL** Muscle weakness **L1**
11.30- 12.20				**Anatomy L** Blood supply of the brain (venous**) L1**	**Anatomy L** Anatomy of cerebellum **L1**	**Anatomy L** Lateral and 3rd. Ventricles of the brain **L1**	**Clinical Neurology CBL** Muscle weakness **L1**
Break							
12.40- 1.30	**Pathology L** Cerebrovascular diseases **L3**			**Anat. P G4,5,6** Anterior triangle of the neck **P 1.2.5**	**Anat. P G1,2,3** Anterior triangle of the neck **P1.2.5**	**Anat. P G1,2,3** Posterior triangle of the Neck **P1.2.5**	**Anat. P G4,5,6** Posterior triangle of the neck **P 1.2.5**
1.40 - 2.30	**Physiology L** Functions of Cerebral Cortical Areas **L3**						
2.40- 3.30				**Elective (online)**	**Holy Quran (online)**	**Quality of Health care** **L3**	Pathology, Microbiology parasitology Seminar Brain abscess **L2**

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الفرقة الثالثة – الجهاز العصبي

الأسبوع الخامس

	Sunday 19/10			Monday20/10			Tuesday 21/10			Wednesday 22/10			Thursday 23/10		
8.30 - 9.20	**Anatomy L** Meninges around brain **L2**			**Pharma L** CNS stimulants & Sedatives **L2**			**Phys L** Sensation from head and headache **L4**			Anat P G1,2 Cerebellum +sections of brain P5.8	Micr P G3,4 CSF abnormalities due to microbial infections, laboratory diagnosis of meningococcus, viruses causing P10.11	pharm P G5,6 Drug interactions and prescriptions for sedative, hypnotics P12.15	**Para L**. Toxoplasmosis **L2**		
9.30-10.20	**Bio L** Structure of brain proteins important in understanding Alzheimer and other neurological disorders **L2**			**Pharma** L Hypnotics drugs& Anxiolytic drugs **L3**			**Phys.L** Motor hierarchy of nervous system **L4**						**Para** L. Plasmodium Falciparum **L2**		
10.30-11.20	**Anat P** G1,2 Cerebrum P5.7	**Bio P**G3,4 Principles of CSF examination- interpretation of CSFreport. P8.9	**Anesthesia** P G5,6 Lumbar puncture P13.15	**Anesthesia** P G1,2 Lumbar puncture P10.13	**Anat P** G3,4 Cerebrum P5.7	**Bio P** G5,6 Principles of CSF examination and interpretation of CSF report. P8.9	**Radiology T** Radiological imaging of the brain and brain stem **L3**			Pharm P G1,2 Drug interactions & prescriptions for sedative hypnotic P12.15	Anat P G3,4 Cerebellum +sections of brain P5.8	Micr P G5,6 CSF abnormalities due to microbial infections, laboratory diagnosis ofmeningococcus, viruses causin P10.11	**Physiology** L limbic system **L1**		
11.30-12.20													**Anatomy L** External features of the Diencephalon **L1**		
Break															
12.40-1.30	**Micro L** Bacterial meningitis**. L3**			**Pathology L** Neurodegenerative & Demyelinating diseases **L3**			**Bio P** G1,2 Principles of CSF examination and	**Anesthesia P** G3,4 Lumbar puncture P10.11	**Anat P** G5,6 Cerebrum P1.2	Para Parasitic diseases affecting the nervous system and special senses L3			**Micr P** G1,2 CSF abnormalities due to microbial infection,	**Pharm P G3,**4 Drug interactions and prescriptions for	**Anat PG5,6** Cerebellum + sections of brain **P1.2**

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			interpretation of CSF report P5.7				laboratoy diagnosof meningococcus, viruses causing **P5.7**	sedative, hypnotics **P11.12**	
1.40 - 2.30	Micro L Viral and fungal meningitis **L3**	**Anatomy L** Dural venous sinuses **L3**				Para Parasitic diseases causing meningitis, (Naegleria fowleri & Acanthamoeba spp) L3			
2.40 – 3.30	**Quality of Health care L3**	Anatomy, histology, biochemist, microbiology Seminar Neuroprotective mechanisms **L3**	**Phys. L** Pathophysiology of internal capsule lesion **L2**			**Holy Quran (online)**	**Elective (online)**		

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الفرقة الثالثة – الجهاز العصبي

الأسبوع السادس

	Sunday 26/10	Monday27/10	Tuesday 28/10	Wednesday 29/10	Thursday 30/10
8.30 - 9.20	**Anatomy L** Interpeduncular fossa +ant +post perforating substance +MLB **L2**	**Anatomy L** of internal ear, vestibule cochlear nerve + development of the Ear **L2**	**Phys L** Introduction, physics of light and refractive media of the eye **L2**	**Physiology L** Human lens and Accommodation to near vision **L1**	**Hist P G1,2** Histology of outer, middle & internal ear **P5.8** **Anat P G3,4** Anatomy of Ear **P1.2** **Phys.P G5,6** Assessment of hearing **P10.11**
9.30- 10.20	**Physiology** L Functions of external ear middle ear and internal ear **L2**	**Phys. L** Functions of inner ear, Cochlear microphonic and potential **L2**	**Physiology L** Aqueous humor and intraocular pressure **L2**	**Physiology L** Function of the Retina **L1**	
10.30- 11.20	**Anatomy L** Development of the brain and its anomalies **L2**	**Phys. L** Mechanism of hearing and theories of hearing **L2**	**Histology L** Structures of eye lid and outer & middle layers of the eye **L2**	**Micro P G1,2,3** Laboratory diagnosis of Cl. tetani, Cl. botulinum, rabies & herpes**. P5.8.9** **Para P G4,5,6 Slide show** sideshow and cases of parasites affecting the nervous system and special senses **P10.11.12**	
11.30- 12.20	**Anat L** Anatomy of (outer & middle ear**) L2**	**Anatomy L** Orbit L (I) **L2**	**Physiology L** Cornea, function of uveal tract **L2**		**Phys.P G1,2** Assessment of hearing **P10.11** **Hist P G3,4** Histology of outer, middle & internal ear **P5.8** **Anat P G5,6** Anatomy of Ear **P1.2**
Break					
12.40- 1.30	**Histology L** Structure of ear **L1**	**Anatomy L** Orbit (II) & development of the eye **L1**	**Histology L** Structures of the inner layer of the eye**. L1**	**Pathology L** CNS tumors **L1**	**Anat P G1,2** Anatomy of Orbit **P1.2** **Hist P G3,4** Histological Structure of eye lid, cornea and retina**. P5.8** **Phys.P 5,6** Pupillary light reflex, corneal reflex and accommodation reflex **P10.11**
1.40 - 2.30	**Pharma L** Drug treatment of epilepsy **L1**	**Para P G1,2,3** Slide show sideshow and cases of parasites affecting the nervous system and special sense**. P7.9.10** **Micro P G4,5,6** Laboratory diagnosis of Cl. tetani, Cl. botulinum, rabies & herpes**. P13.14.15**	**Para T** Sleeping sickness diseases (Trypanosoma spp.) **L1**	**Anat P G1,2** Anatomy of Ear **P1.2** **Phys.P G3,4** Assessment of hearing **P10.11** **Hist P G5,6** Histology of outer, middle & internal ear **P5.8**	
2.40 – 3.30	**Quality of Health care L1**				**Elective (online)** **Holy Quran (online)**

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الأسبوع السابع

	Sunday 2/11			Monday3/11		Tuesday 4/11	Wednesday 4/11		Thursday 5/11	
8.30 - 9.20	**Phys.P G1,2** Pupillary light reflex, corneal reflex and accommodation reflex **P10.11**	**Anat P G3,4** Anatomy of Orbit **P1.2**	**Hist P G5,6** Histological Structure of eye lid, cornea and retina. **P5.8**	Path P G4,5,6 CNS tumors P ,7,8,9	**Phys.P** **G1,2,3** Visual acuity and error of refraction **P10.11.12**	**Phys. P G4,5,6** Colour vision and visual field **P.10. 11.12**				
9.30-10.20										
10.30-11.20	**Hist P G1,2** Histological Structure of eye lid, cornea and retina **P5.8**	**Phys.P G3,4** Pupillary light reflex, corneal reflex and accommodation reflex **P10.11**	**Anat P G5,6** Anatomy of Orbit **P1.2**	Path P G1,2,3 CNS tumors P ,7,8,9	**Phys. P G4,5,6** Visual acuity and error of refraction **P10.11.12**	**Phys P G1,2,3** Colour vision and visual field **P 10.11.12**				
11.30-12.20										
Break										
12.40-1.30	**Pharma** Antidepressant drugsL (mood stabilizer) **L3**			**Phys. L** Visual pathway **L3**		**Pharma L** Anti-psychotic drugs **L3**				
1.40 - 2.30	**Phys. L** Phototransduction **L3**			**Micro T** Eye & Ear infections **L3**		**Phys T** Physiology of taste & olfactory pathway**. L3**				
2.40 – 3.30	**Physiology L** Retinal adaptation **L L3**									

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